

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a computer system that uses dynamic hypertext markup language (DHTML) with a behavior component that enhances an element's initial behavior, a method of synchronously binding the behavior component to the element in order to prevent the behavior from being detached there from and to promote predictability, the method comprising:

receiving at a browser application a page for processing and displaying one or more elements therein;

upon an initial automatic parsing of the page, processing from within the page an import instruction that links implementation of an element behavior with the one or more elements of the page, wherein the element behavior is a DHTML component that encapsulates specific functionality or behavior on the page; and

modifying an initial behavior of the one or more elements within the page by instantiating an instance of the element behavior component in accordance with the import instruction when a part of the page corresponding thereto is parsed by the browser, which synchronously binds the element behavior component to the one or more elements.

2. (Original) The method of claim 1, wherein the element is associated with a namespace in the page.

3. (Previously Presented) The method of claim 2, wherein the element behavior component comprises a name for creating a custom element that may be linked to the behavior component, and wherein a syntax for the element comprises a reference to the name.

4. (Original) The method of claim 3, wherein the syntax for the element further comprises a reference to the namespace.

5. (Previously Presented) The method of claim 1, wherein the element behavior component comprises a name for creating a custom element that may be linked to the element behavior component, and wherein a syntax for the element comprises a reference to the name.

6. (Previously Presented) The method of claim 1, wherein the element behavior component is instantiated in accordance with a thread, and wherein the import instruction causes at least one other thread to cease while instantiating the element behavior component.

7. (Canceled)

8. (Canceled)

9. (Previously Presented) The method of claim 1, wherein the element behavior component comprises content, and wherein instantiating the behavior component comprises inserting the content into the page.

10. (Previously Presented) The method of claim 9, wherein processing the page comprises interpreting the page, including creating a document structure, wherein instantiating the instance of the element behavior component comprises creating a document fragment including content, and wherein inserting the content into the page comprises inserting the document fragment into the document structure.

11. (Previously Presented) The method of claim 1, wherein processing the page comprises interpreting the page, including creating a document structure, and wherein instantiating the instance of the element behavior component comprises,
creating a document fragment; and
inserting the document fragment into the document structure.

12. (Previously Presented) The method of claim 1, wherein processing the page comprises interpreting the page, including creating a document structure, and wherein instantiating the instance of the element behavior component comprises,

creating a document fragment; and

maintaining the document fragment separate from the document structure.

13. (Original) The method of claim 12, wherein the element comprises a pointer to the document fragment.

14. (Original) The method of claim 13, wherein the document fragment comprises content, and wherein interpreting the page comprises inserting the content into the page.

15. (Previously Presented) The method of claim 14, wherein inserting the content into the page comprises inserting the content into a position corresponding to a location of the element in the page.

16. (Previously Presented) The method of claim 1, wherein the element behavior component comprises script.

17. (Previously Presented) The method of claim 16, wherein the element behavior component comprises an HTC file.

18. (Currently Amended) In a computer system a computer program product that uses dynamic hypertext markup language (DHTML) with a behavior component that enhances an element's initial behavior, a computer program product for implementing a method of synchronously binding the behavior component to the element in order to prevent the behavior from being detached there from and to promote predictability, the computer program product comprising one or more computer readable media having stored thereon computer executable instructions that, when executed by a processor, can cause the distributed messaging system to perform the following:

receive at a browser application a page for processing and displaying one or more elements therein;

automatic initial process a-of the page to create a document structure that includes one or more elements, including parsing the page and interpreting the page via the browser, the page comprising an instruction to instantiate a element behavior component that is coded in a DHTML, which encapsulates specific functionality or behavior on the page;

upon the automatic initial process of the page, instantiate the element behavior component in accordance with the instruction while parsing the page, wherein the instantiation of the element occurs before interpreting the one or more elements within the page in order to synchronously bind the instantiated instance of the element behavior component to the one or more elements, and wherein the instantiation of the behavior component creates a document fragment; and

based on the document fragment created, modify an initial behavior of the one or more elements within the document structure.

19. (Previously Presented) The computer program product of claim 18, wherein the element comprises a pointer to the document fragment.

20. (Previously Presented) The computer program product of claim 19, wherein processing the page comprises applying the behavior or functionality of the element behavior component to the element.

21. (Previously Presented) The computer program product of claim 19, wherein the document fragment comprises content, and wherein processing the page comprises inserting the content into the page.

22. (Previously Presented) The computer program product of claim 21, wherein inserting the content into the page comprises inserting the content into a position corresponding to a location of the element in the page.

23. (Previously Presented) The computer program product of claim 18, wherein the document fragment comprises content, and wherein interpreting the page comprises inserting the content into the page.

24. (Canceled)

25. (Currently Amended) In a computer system that uses dynamic hypertext markup language (DHTML) with a behavior component that enhances an element's initial behavior, a tangible computer-readable medium for a web page that synchronously binds the behavior component to the element in order to prevent the behavior from being detached there from and to promote predictability, the computer-readable medium comprising:

- an element behavior component coded in a DHTML, which encapsulates specific functionality or behavior on a page;

- an import instruction component in the page for calling an instantiation of the element behavior component, which creates an instance thereof during an initial automatic parsing of the page; and

- an element in the page that includes an initial behavior, which is modified by the instance of the element behavior component such that during the parsing of the page by a browser, the element synchronously binds with the instance of the element behavior component.

26. (Previously Presented) The computer-readable medium of claim 25, wherein the element behavior component comprises an instruction component configured such that during the parsing of the page, static content within the element is not parsed.

27. (Original) The computer-readable medium of claim 26, further comprising an executable file for accessing the content within the element.

28. (Original) The computer-readable medium of claim 27, wherein the executable file comprises script.

29. (Canceled)

30.—31. (Canceled)